

Topic: Unit 10: Areas of Polygons and Circles (HON)

Days: 12

Subject(s): Math

Grade(s): 8th, 9th, 10th, 11th, 12th

Key Learning: Formulas for area of figures will be derived and applied to solve problems.



Unit Essential Question(s): How are the formulas for area of figures derived and applied to solve problems?

<p>Concept: Area of Polygons</p>	<p>Concept: Circumference and Area of Circles and Sectors</p>	<p>Concept: Area of Similar Figures</p>
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<p>Lesson Essential Question(s): What are the similarities and differences between the formulas for areas of polygons? (A)</p> <p>How do you use the area formulas to find the areas of polygons? (A)</p>	<p>Lesson Essential Question(s): How are the circumferences and areas of circles determined? (A)</p> <p>How is determining the area of a sector an extension of the area formula? (A)</p>	<p>Lesson Essential Question(s): How is the ratio of the areas of two similar polygons related to the ratio of corresponding sides? (A)</p>
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<p>Vocabulary: base, height, center of a regular polygon, radius of a regular polygon, apothem, central angles, composite figures</p>	<p>Vocabulary: sectors of a circle, segment of a circle</p>	<p>Vocabulary:</p>
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Additional Information:
Sections: 11-1, 11-2, 11-3, 11-4, 11-5

Attached Document(s):

Teacher / Team Name: Geometry Honors

Vocab Report for Topic: Unit 10: Areas of Polygons and Circles (HON)

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Concept: Area of Polygons

base -

height -

center of a regular polygon -

radius of a regular polygon -

apothem -

central angles -

composite figures -

Concept: Circumference and Area of Circles and Sectors

sectors of a circle -

segment of a circle -